

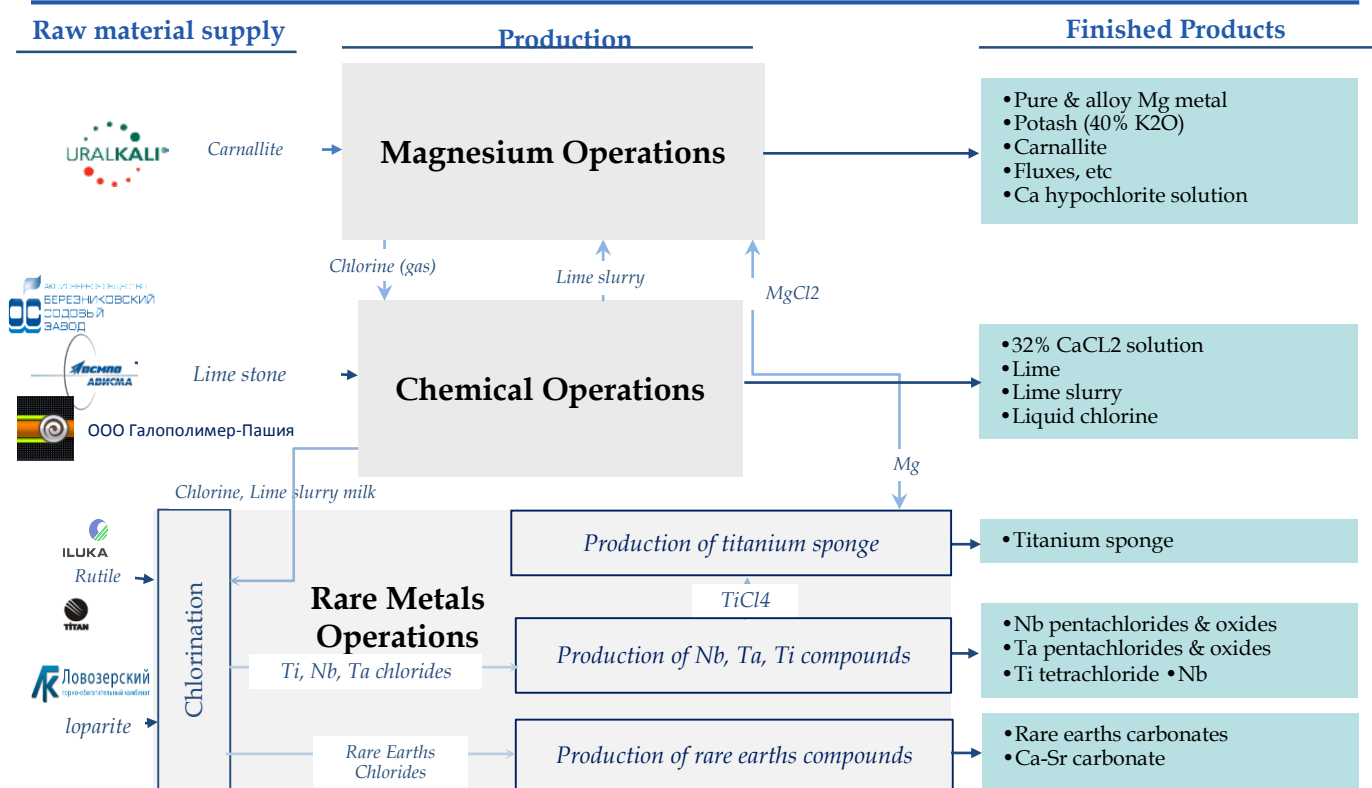


# Solikamsk Magnesium Works In Brief

SMW's suppliers of the main raw materials



## SOLIKAMSK PRODUCTION FLOW CHART



## Annual capacities to manufacture main products

### Magnesium Operations

- Pure & alloy Mg – up to 18'200 mt, including 16'200 mt output for sales;
- Potash, fluxes, etc. – up to 79'320 mt;
- Calcium hypochlorite solution – up to 60'000 mt

### Rare Metals Operations

Capacity for Ioparite processing is up to 13'000 mt that enables to produce:

- Niobium compounds – up to 855 mt Nb<sub>2</sub>O<sub>5</sub> contained
- Tantalum compounds – up to 60 mt Ta<sub>2</sub>O<sub>5</sub> contained
- Rare earths compounds – up to 3'600 mt Total Rare Earths Oxide (TREO) contained
- Titanium sponge & titanium compounds – up to 2'600 mt Ti contained

### Chemical Operations

- Chlorine, liquid – up to 3'000 mt
- Lime – up to 20'000 mt
- Calcium chloride solution (32% CaCl<sub>2</sub>) – up to 72'000 mt